

# NVL Laboratories, Inc.

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## Asbestos And Other Fibers Analysis

by Phase Contrast Microscopy

Client: Paul W. Jackson & Associates, Inc.  
Address: 3604 Beach Drive SW  
Seattle, WA 98116  
Attention: Mr. Paul Jackson

Batch #: 2407854.00

Method: NIOSH 7400

Client Project #: 050504

Samples Received: 3

Samples Analyzed: 3

Project Location: Rainier Brewery, Seattle, WA

Lab ID: 24043256 Client's Sample #: 60491 Date sampled: 6/4/2004

Time	Flow Rate
Start 01:16 PM	9.00
End 04:07 PM	9.00
Minutes 171	Ave. 9.00

Sample type: AREA

Location: Building 9-2nd platform

Activity: n/a

Worker: n/a

Comments: Filter overloaded with particulate

Liters	Pump ID
1539	3

LOQ fibers/cc
min 0.025 max 0.325

Fibers/flds
/

Fibers/mm <sup>2</sup>

RL f/cc
0.002

Fibers/cc  
See Comments

Lab ID: 24043257 Client's Sample #: 60492 Date sampled: 6/4/2004

Time	Flow Rate
Start 01:20 PM	10.00
End 04:11 PM	10.00
Minutes 171	Ave. 10.00

Sample type: AREA

Location: Building 9- 1st level up

Activity: n/a

Worker: n/a

Comments: Filter overloaded with particulate

Liters	Pump ID
1710	2

LOQ fibers/cc
min 0.023 max 0.293

Fibers/flds
/

Fibers/mm <sup>2</sup>

RL f/cc
0.002

Fibers/cc  
See Comments

Lab ID: 24043258 Client's Sample #: 60493 Date sampled: 6/4/2004

Time	Flow Rate
Start	
End	
Minutes	Ave.

Sample type: BLANK

Location:

Activity:

Worker:

Comments:

Liters	Pump ID

LOQ fibers/cc
min max

Fibers/flds
0 / 100

Fibers/mm <sup>2</sup>
< 7.0

RL f/cc

Fibers/cc

Blank ave.(f/mm<sup>2</sup>) 0.0 Micro. field area (mm<sup>2</sup>) 0.00785 Effe. filtration area (mm<sup>2</sup>) 385 Precision +/-16% Accuracy +/- 10%

Sampled by: Client

Analyzed by: Zubair Ahmed

Date Analyzed: 06/07/2004

Reviewed by: Munaf Khan

Date Issued: 06/10/2004

Munaf Khan, Laboratory Director

\* Samples are analyzed in accordance with the NIOSH 7400 (Issue 2: 15 August 1994). If the samples were not collected by NVL Laboratories, then the accuracy of the results is limited by the methodology and acuity of the sample collector. The LOQ, Limits of Quantification, are the fiber concentrations, for the given volume of the sampled air, above and below which the results may be unreliable. The RL, Reporting Limit defined in Method 7400 as LOD, is the fibers/cc below which the results may not be confidently distinguished from background levels. This report relates only to the items tested. It shall not be reproduced, except in full, without written approval of NVL Laboratories, Inc.